Notice of Allowability	Application No.	Applicant(s)
	09/504,235	YAMAZAKI ET AL.
	Examiner	Art Unit
	David L. Lewis	2629
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this a) or other appropriate communication IGHTS. This application is subject	application. If not included on will be mailed in due course. THIS
1. This communication is responsive to <u>9/24/2007</u> .		
2. \boxtimes The allowed claim(s) is/are $\underline{1-4,7-10,13,14,17,18,21,22,25}$	5,26,29-32,35-38,41,42,45,46,49,50	0,53,54 and 57-87.
Acknowledgment is made of a claim for foreign priority u a)	e been received. e been received in Application No.	
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent application (PTO-152) which give	MENT of this application. nitted. Note the attached EXAMINE	R'S AMENDMENT or NOTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.	·
(a) ☐ including changes required by the Notice of Draftsper		O-948) attached
1) hereto or 2) to Paper No./Mail Date	_	
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1		
each sheet. Replacement sheet(s) should be labeled as such in		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. Notice of References Cited (PTO-892)	5. Notice of Informal	Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview Summa	ry (PTO-413),
 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 9/24/2007 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	Paper No./Mail D 7. ☐ Examiner's Amen 8. ⊠ Examiner's Stater	dment/Comment ment of Reasons for Allowance
	9.	Company of the same of the sam

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06) Application/Control Number: 09/504,235

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REASONS FOR ALLOWANCE

- 1. Previously allowed claims 1-4, 7-10, 13, 14, 17, 18, 21, 22, 25, 26, 29-32, 35-38, 41, 42, 45, 46, 49, 50, 53, 54, and 57-87 are allowable over the prior art of record.
- 2. Claims 5, 6, 11, 12, 15, 16, 19, 20, 23, 24, 27, 28, 33, 34, 39, 40, 43, 44, 47, 48, 51, 52, 55, and 56 were cancelled.
- 3. The following is an examiner's statement of reasons for allowance: The Applicant has withdrawn the Application from issue for the purpose of submitting new IDS filled on 9/24/2007, which has been considered. The submitted prior art has absolutely no relation or relevance to the claimed invention, and the Examiner fails to understand the applicants justification for a continued examination. The previously allowed claims remain allowable over the newly cited art of record. As previously mentioned the feature of independent claims 1, 7, 13, 17, 21, 25, 29, 35, 41, 45, 49, 53, and 57 directed towards allowable subject matter are wherein at least said channel formation region contains hydrogen atoms at a density of 1x10(15) to 1x109(20) atoms cm-3, and contains carbon and nitrogen atoms at a density of 1x10(17) to 5x10(18) atoms cm-3, and contains oxygen atoms at a density of 1x10(17) to 5x10(19) atoms cm-3. These features in combination with the other limitations of the claims makes them allowable over the prior art of record. Zavracky et al. provides no support for such a teaching of said specific channel density composite. Therefore said

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features in combination with the other limitations of the above independent claims are

found allowable over the prior art of record.

4. Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to David L. Lewis whose telephone number is (571) 272-

7673. The examiner can normally be reached on MTWTHF from 8 to 5. If attempts to

reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin

Shalwala, can be reached on (571) 272-7681. Any inquiry of a general nature or

relating to the status of this application or proceeding should be directed to the Group

receptionist whose telephone number is (571)-273-8300.

6. Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Examiner: David L. Lewis

October 13, 2007